

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/7

KEMET LUBRICATING FLUID TYPE LS

Revision 11
Revision date 2017-08-14

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	KEMET LUBRICATING FLUID TYPE LS
--------------	---------------------------------

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU0] Other; [PC25] Metal working fluids;
-------------	---

1.3. Details of the supplier of the safety data sheet

Company	Kemet International Ltd
Address	Parkwood Trading Estate Maidstone Kent ME15 9NJ
Web	www.kemet.co.uk
Telephone	+44 (0)1622 755287
Fax	+44 (0)1622 670915
Email	sales@kemet.co.uk
Email address of the competent person	nroper@kemet.co.uk

Local Supplier

Company	Kemet International Ltd
Address	Sutton Road Parkwood Trading Estate Maidstone Kent ME15 9NJ UK
Web	www.kemet.co.uk
Telephone	01622755287
Fax	01622670915
Email	sales@kemet.co.uk

1.4. Emergency telephone number

Emergency telephone number	01622755287
Company	Kemet International Ltd 09.00-17.00 Poison Centre England 0854 46 47 Scotland 08454 24 24 24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

KEMET LUBRICATING FLUID TYPE LS

Revision 11
Revision date 2017-08-14

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
--------------	-----------------------

2.2. Label elements

Risk phrases	The product does not need to be labelled in accordance with EC directives or respective national laws.
	No Significant Hazard

2.3. Other hazards

Other hazards	PBT/vPvB assessment is not available as a chemical safety assessment is either not required or has not been conducted. May be mildly irritating to skin after prolonged contact.
---------------	--

Further information

	No known adverse environmental effects. No Significant Hazard.
--	--

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	1 - 10%	F; R11 Xi; R36 R67	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	Prolonged or repeated exposure may cause: Skin irritation.
Ingestion	Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

	If you feel unwell, seek medical advice (show the label where possible). Treat Symptomatically.
--	---

General information

	If you feel unwell, seek medical advice (show the label where possible). Keep the affected person warm and at rest. Remove contaminated clothing. Wash all contaminated clothing before reuse.
--	--

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

5.2. Special hazards arising from the substance or mixture

	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or
--	---

KEMET LUBRICATING FLUID TYPE LS

Revision 11
Revision date 2017-08-14

5.2. Special hazards arising from the substance or mixture

vapours.

5.3. Advice for firefighters

Wear: Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Keep personnel away from spill. Evacuate personnel to a safe area.

6.2. Environmental precautions

Do not allow product to enter drains.

6.3. Methods and material for containment and cleaning up

Clean spillage area thoroughly with plenty of water. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

6.4. Reference to other sections

See section 2 ,7, 8 & 9. for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear suitable protective equipment. Do not breathe gas/fumes/vapour/spray. Use in a well ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

7.3. Specific end use(s)

Use as Supplied. For use as a metal working lubricant/coolant in industrial applications only.

Suitable packaging

Mild steel containers. Plastic containers. Polytetrafluoroethylene (PTFE). Stainless steel containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area. Mechanical ventilation recommended.

KEMET LUBRICATING FLUID TYPE LS

Revision 11

Revision date 2017-08-14

8.2. Exposure controls

8.2.2. Individual protection measures	Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing. Apron (Plastic or rubber). Rubber boots.
Eye / face protection	Approved safety goggles. Avoid contact with eyes.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Prevent aerosol formation. If spray mist is formed wear protective mask to EN149. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Characteristic/Alcoholic
Odour threshold	No data available
pH	Not applicable.
Melting point	No data available
Initial boiling point	> 90 °C
Flash point	> 70 °C
Evaporation rate	No data available
Flammability (solid, gas)	Combustible
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.86 approx
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	20 g/l

Water solubility

	Immiscible.
--	-------------

SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid sparks, flames, heat and sources of ignition.
--	---

10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

10.3. Possibility of hazardous reactions

	None expected under normal conditions of use.
--	---

10.4. Conditions to avoid

--	--

KEMET LUBRICATING FLUID TYPE LS

Revision 11
Revision date 2017-08-14

10.4. Conditions to avoid

Heat, sparks and open flames.

10.5. Incompatible materials

Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Incomplete combustion will produce toxic and noxious fumes including carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	MAY CAUSE EYE IRRITATION.
Respiratory or skin sensitisation	May cause irritation to skin.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

SECTION 12: Ecological information

12.1. Toxicity

No data is available on this product.

12.2. Persistence and degradability

This product is considered readily biodegradable DOC reduction :[] OECD 301E.

12.3. Bioaccumulative potential

The product is not expected to bioaccumulate.

Partition coefficient

KEMET LUBRICATING FLUID No data available
TYPE LS

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment is not available as a chemical safety assessment is either not required or has not been conducted.

12.6. Other adverse effects

No known adverse environmental effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

12 01 10 synthetic machining oils. 12 01 15 machining sludges other than those mentioned in 12 01 14. 12 01 18 metal sludge (grinding, honing, and lapping sludge) containing oil. 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20. 12 01 wastes from shaping and physical and mechanical surface treatment of metals and plastics. 12 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS. 15 01 02 plastic packaging. 15 02 absorbents, filter materials, wiping cloths and protective clothing. 15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED.

KEMET LUBRICATING FLUID TYPE LS

Revision 11

Revision date 2017-08-14

General information	
	Can be incinerated if in compliance with local and national regulations. Dispose of in compliance with all local and national regulations.

Disposal methods	
	Dispose of this material and its container to hazardous or special waste collection point.

Disposal of packaging	
	Empty containers can be sent for disposal or recycling.

Further information	
	Allocation of the correct EWC Number should be done in accordance with the european Waste Catalogue and should be carried out in agreement with an EA authorised waste disposal company.

SECTION 14: Transport information

14.1. UN number	
	The product is not classified as dangerous for carriage.

14.2. UN proper shipping name	
	The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)	
	The product is not classified as dangerous for carriage.

14.4. Packing group	
	The product is not classified as dangerous for carriage.

14.5. Environmental hazards	
	The product is not classified as dangerous for carriage.

14.6. Special precautions for user	
	The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	The product is not classified as dangerous for carriage.

Further information	
	The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation (EC) No 1907/2006 REACH, Regulation (EC) No 1272/2008 CLP. The Health and Safety at Work Act 1974. Workplace Exposure Limits EH40.

15.2. Chemical safety assessment	
	A chemical safety assessment has not been conducted.

SECTION 16: Other information

KEMET LUBRICATING FLUID TYPE LS

Revision 11

Revision date 2017-08-14

Other information

Revision	This document differs from the previous version in the following areas: 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point). 9 - 9.1. Information on basic physical and chemical properties (Flash point).
Text of risk phrases in Section 3	R11 - Highly flammable. R36 - Irritating to eyes. R67 - Vapours may cause drowsiness and dizziness.
Maximum content of VOC	20 g/l.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
--	--